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Search Results - Record(s) 1 through 10 of 32 returned.

☐ 1. Document ID: US 20040023373 A1

L22: Entry 1 of 32 File: PGPB Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040023373
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040023373 A1

TITLE: NOVEL MUCOSAL VASCULAR ADDRESSINS

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BRISKIN, MICHAEL J.	LEXINGTON	MA	US	

US-CL-CURRENT: 435/320.1; 435/325, 536/23.1, 536/23.4, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20030188313 A1

L22: Entry 2 of 32 File: PGPB Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030188313
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030188313 A1

TITLE: ELECTRONIC TELEVISION PROGRAM GUIDE WITH REMOTE PRODUCT ORDERING

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
ELLIS, MICHAEL DEAN	BOULDER	CO	US	
DAVIS, BRUCE	GREENWOOD VILLAGE	CO	US	
KNUDSON, EDWARD BRUCE	LITTLETON	CO	US	
MILLER, LARRY	GREENWOOD VILLAGE	CO	US	

US-CL-CURRENT: 725/60

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20030124505 A1

L22: Entry 3 of 32 File: PGPB Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124505
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030124505 A1

TITLE: High-throughput gene cloning and phenotypic screening

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jain, Sarita Kumari	San Francisco	CA	US	
Allen, Elizabeth Anne	Santa Clara	CA	US	
Pati, Sushma	Los Altos	CA	US	
Sargent, Roy Geoffrey	Mountain View	CA	US	
Zarling, David A.	Menlo Park	CA	US	

US-CL-CURRENT: 435/4; 435/455, 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 4. Document ID: US 20030058277 A1

L22: Entry 4 of 32 File: PGPB Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030058277
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030058277 A1

TITLE: A VIEW CONFIGURER IN A PRESENTATION SERVICES PATTERNS ENVIROMENT

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BOWMAN-AMUAH, MICHEL K.	COLORADO SPRINGS	CO	US	

US-CL-CURRENT: 715/765

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 5. Document ID: US 20030054882 A1

L22: Entry 5 of 32 File: PGPB Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054882

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030054882 A1

TITLE: Game apparatus, method of reporducing movie images and recording medium recording program thereof

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Suzuki, Akira	Tokyo		JP	

US-CL-CURRENT: 463/30

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

A ☐ 6. Document ID: US 20030021259 A1

L22: Entry 6 of 32 File: PGPB Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030021259
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030021259 A1

TITLE: APPARATUS AND METHODS FOR COORDINATING INTERNET PROTOCOL TELEPHONE AND DATA COMMUNICATIONS

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MILOSLAVSKY, ALEC	SAN CARLOS	CA	US	
GOECKE, JASON	SAN FRANCISCO	CA	US	
DERYUGIN, VLADIMIR N.	SAN MATEO	CA	US	
TORBA, DMITRY A.	SAN BRUNO	CA	US	
NEYMAN, IGOR	PALO ALTO	CA	US	
TUROVSKY, OLEG	SAN FRANCISCO	CA	US	

US-CL-CURRENT: 370/352; 370/351

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

A ☐ 7. Document ID: US 20020172333 A1

L22: Entry 7 of 32 File: PGPB Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020172333
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020172333 A1

TITLE: SINGLE TELEPHONE NUMBER ACCESS TO MULTIPLE COMMUNICATIONS SERVICES

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
GROSS, KAREN A.	CEDAR RAPIDS	IA	US	
GALVAN, THOMAS J.	HAWATHA	IA	US	
CHIB, RUPIKA	CHEVY CHASE	MD	US	

US-CL-CURRENT: 379/88.22

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 8. Document ID: US 20020161590 A1

L22: Entry 8 of 32 File: PGPB Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020161590
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020161590 A1

TITLE: DISTRIBUTED OFFICE SYSTEM AND MANAGEMENT METHOD THEREOF

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SAKAKIBARA, KEN	TOKYO		JP	
IMURA, TOSHIHIRO	TOKYO		JP	
TADOKORO, YOSHIHISA	TOKYO		JP	
KATO, MASAMI	SAGAMIHARA-SHI		JP	

US-CL-CURRENT: 705/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

A1

☐ 9. Document ID: US 20020149670 A1

L22: Entry 9 of 32 File: PGPB Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020149670
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020149670 A1

TITLE: VIDEO PHONE FORM FACTOR

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
GERSZBERG, IRWIN	MIDDLESEX	NJ	US	
MARTIN, JEFFREY S.	MORRIS COUNTY	NJ	US	
WALKER, HOPTON S.	PASSAIC COUNTY	NJ	US	

US-CL-CURRENT: 348/14.01; 348/14.08

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 10. Document ID: US 20020147314 A1

L22: Entry 10 of 32 File: PGPB Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147314
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020147314 A1

TITLE: MUCOSAL VASCULAR ADDRESSINS AND USES THEREOF

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BRISKIN, MICHAEL J.	LEXINGTON	MA	US	
RINGLER, DOUGLAS J.	REVERE	MA	US	
PICARELLA, DOMINIC	SUDBURY	MA	US	
NEWMAN, WALTER	BOSTON	MA	US	

US-CL-CURRENT: 530/391.1; 530/391.7, 530/395, 530/402, 530/866

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
((telephon$ or phon$ or cell$) with platform$) and @ad<=20000526 and (music$ or song$ or album$)	32

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Search Results - Record(s) 11 through 20 of 32 returned.

☐ 11. Document ID: US 20020102937 A1

L22: Entry 11 of 32 File: PGPB Aug 1, 2002

A

PGPUB-DOCUMENT-NUMBER: 20020102937
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102937 A1

TITLE: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
DAPPER, MARK J.	CINCINNATI	OH	US	
GEILE, MICHAEL J.	LOVELAND	OH	US	
HILL, TERRANCE J.	FAIRFIELD	OH	US	
ROBERTS, HAROLD A.	EDEN PRAIRIE	MN	US	
ANDERSON, BRIAN D.	PLYMOUTH	MN	US	
BREDE, JEFFREY	EDEN PRAIRIE	MN	US	
WADMAN, MARK S.	EDEN PRAIRIE	MN	US	
KIRSCHT, ROBERT J.	SAVAGE	MN	US	
HERRMANN, JAMES J.	EAGAN	MN	US	
FORT, MICHAEL J.	EAGAN	MN	US	
BUSKA, STEVEN P.	MINNETONKA	MN	US	
SOLUM, JEFF	BLOOMINGTON	MN	US	
ENFIELD, DEBRA LEA	CHASKA	MN	US	
BERG, DARRELL	BLOOMINGTON	MN	US	
SMIGELSKI, THOMAS	LAKE ZURICH	IL	US	
TUCKER, THOMAS C.	CHAPEL HILL	NC	US	
HALL, JOE	BLOOMINGTON	MN	US	
LOGAJAN, JOHN M.	ARDEN HILLS	MN	US	
BOUALOUANG, SOMVAY	BLOOMINGTON	MN	US	
LOU, HENG	BLOOMINGTON	MN	US	

US-CL-CURRENT: 455/3.01

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 12. Document ID: US 20020098798 A1

L22: Entry 12 of 32 File: PGPB Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098798
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020098798 A1

TITLE: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SOLUM, JEFF	BLOOMINGTON	MN	US	
GEILE, MICHAEL J.	VATAVIA	OH	US	
BREDE, JEFFREY	EDEN PRAIRIE	MN	US	
BERG, DARRELL	BLOOMINGTON	MN	US	

US-CL-CURRENT: 455/3.01

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 13. Document ID: US 20020098797 A1

L22: Entry 13 of 32 File: PGPB Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098797
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020098797 A1

TITLE: ACQUISITION AND TRACKING IN COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BREDE, JEFFREY	EDEN PRAIRIE	MN	US	
FORT, MICHAEL J.	EAGAN	MN	US	
SOLUM, JEFF	BLOOMINGTON	MN	US	
GEILE, MICHAEL J.	LOVELAND	OH	US	

US-CL-CURRENT: 455/3.01

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 14. Document ID: US 20020098796 A1

L22: Entry 14 of 32 File: PGPB Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098796

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020098796 A1

TITLE: HYBRID/FIBER COAX VIDEO AND TELEPHONY COMMUNICATION SYSTEM WITH POLY-PHASE FILTERING

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
DAPPER, MARK J.	CINCINNATI	OH	US	
GEILE, MICHAEL J.	LOVELAND	OH	US	

US-CL-CURRENT: 455/3.01

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 15. Document ID: US 20020098795 A1

L22: Entry 15 of 32 File: PGPB Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098795
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020098795 A1

TITLE: COMMUNICATING ERRORS IN A TELECOMMUNICATIONS SYSTEM

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BREDE, JEFFREY	EDEN PRAIRIE	MN	US	
BUSKA, STEVEN P.	MINNETONKA	MN	US	

US-CL-CURRENT: 455/3.01

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 16. Document ID: US 20020068562 A1

L22: Entry 16 of 32 File: PGPB Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020068562
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020068562 A1

TITLE: ISD WIRELESS NETWORK

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
GERSZBERG, IRWIN	KENDALL PARK	NJ	US	
MARTIN, JEFFREY S.	DOVER	NJ	US	
MILLER, ROBERT RAYMOND II	TOWNSHIP OF MORRIS	NJ	US	
WALKER, HOPETON S.	HALEDON	NJ	US	
WALLACE, EDWARD L.	SOUTH ORANGE	NJ	US	
JAVITT, JOEL I	HILLSIDE	NJ	US	

US-CL-CURRENT: 455/432.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 17. Document ID: US 20020044199 A1

L22: Entry 17 of 32 File: PGPB Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044199
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020044199 A1

TITLE: INTEGRATED REMOTE CONTROL AND PHONE

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BARZEBAR, FARHAD	SOMERSET COUNTY	NJ	US	
GERSZBERG, IRWIN	MIDDLESEX COUNTY	NJ	US	
TREVENTI, PHILIP ANDREW	UNION COUNTY	NJ	US	

US-CL-CURRENT: 348/14.01; 379/110.01, 379/93.17, 379/93.31

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 18. Document ID: US 20020033416 A1

L22: Entry 18 of 32 File: PGPB Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020033416
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020033416 A1

TITLE: NETWORK SERVER PLATFORM FOR PROVIDING INTEGRATED BILLING FOR CATV, INTERNET, TELEPHONY AND ENHANCED BANDWIDTH SERVICES

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
GERSZBERG, IRWIN	KENDALL PARK	NJ	US	

MARTIN, JEFFREY S.	DOVER	NJ	US
OPLINGER, THOMAS	MORRISTOWN	NJ	US
WALKER, HOPETON S.	HALEDON	NJ	US

US-CL-CURRENT: 235/380

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 19. Document ID: US 20020022003 A1

L22: Entry 19 of 32 File: PGPB Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022003
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020022003 A1

TITLE: METHOD AND COMPOSITION FOR THE TREATMENT OF CANCER BY THE ENZYMANTIC CONVERSION OF SOLUBLE RADIOACTIVE TOXIC PRECIPITATES IN THE CANCER

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
ROSE, SAMUEL	OAKLAND	CA	US	

US-CL-CURRENT: 424/1.69

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 20. Document ID: US 20020012353 A1

L22: Entry 20 of 32 File: PGPB Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012353
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020012353 A1

TITLE: ISD CONTROLLED SET-TOP BOX

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
GERSZBERG, IRWIN	KENDALL PARK	NJ	US	
MARTIN, JEFFREY S.	DOVER	NJ	US	
WALKER, HOPETON S.	HALEDON	NJ	US	
WALLACE, EDWARD L.	SOUTH ORANGE	NJ	US	

US-CL-CURRENT: 370/419; 370/463, 370/487, 725/110

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
((telephon$ or phon$ or cell$) with platform$) and @ad<=20000526 and (music$ or song$ or album$)	32

Display Format: CIT Change Format

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Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 21 through 30 of 32 returned.

☐ 21. Document ID: US 20020001301 A1

L22: Entry 21 of 32 File: PGPB Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020001301
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020001301 A1

TITLE: SYSTEMS AND METHODS FOR MULTIPLE MODE VOICE AND DATA COMMUNICATIONS USING INTELLIGENTLY BRIDGED TDM AND PACKET BUSES AND METHODS FOR PERFORMING TELEPHONY AND DATA FUNCTIONS USING THE SAME

PUBLICATION-DATE: January 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SARKISSIAN, FREDERICK	SAN JOSE	CA	US	
PICKETT, SCOTT K.	LOS GATOS	CA	US	

US-CL-CURRENT: 370/352

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 22. Document ID: US 20010055812 A1

L22: Entry 22 of 32 File: PGPB Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010055812
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010055812 A1

TITLE: DEVICES AND METHOD FOR USING CENTRIPETAL ACCELERATION TO DRIVE FLUID MOVEMENT IN A MICROFLUIDICS SYSTEM WITH ON-BOARD INFORMATICS

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MIAN, ALEC	CAMBRIDGE	MA	US	
KIEFFER-HIGGINS, STEPHEN G.	DORCHESTER	MA	US	
COREY, GEORGE D.	NEWTON	MA	US	

US-CL-CURRENT: 436/45; 422/64, 422/67, 422/72

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 23. Document ID: US 20010055308 A1

L22: Entry 23 of 32 File: PGPB Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010055308
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010055308 A1

TITLE: SYSTEMS AND METHODS FOR MULTIPLE MODE VOICE AND DATA COMMUNICATIONS USING INTELLIGENTLY BRIDGED TDM AND PACKET BUSES AND METHODS FOR PERFORMING TELEPHONY AND DATA FUNCTIONS USING THE SAME

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
AFRAKHTEH, ARASH	MENLO PARK	CA	US	
WEITZ, ELIOT	SAN FRANCISCO	CA	US	

US-CL-CURRENT: 370/401; 370/466

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 24. Document ID: US 20010050977 A1

L22: Entry 24 of 32 File: PGPB Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010050977
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010050977 A1

TITLE: VIDEO PHONE MULTIMEDIA ANNOUNCEMENT ANSWERING MACHINE

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
GERSZBER, IRWIN	KENDALL PARK	NJ	US	
MARTIN, JEFFREY S.	DOVER	NJ	US	
WALKER, HOPETON S.	HALEDON	NJ	US	

US-CL-CURRENT: 379/88.13; 379/88.21

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 25. Document ID: US 20010050918 A1

L22: Entry 25 of 32 File: PGPB Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010050918
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010050918 A1

TITLE: SYSTEMS AND METHODS FOR MULTIPLE MODE VOICE AND DATA COMMUNICATIONS USING INTELLIGENTLY BRIDGED TDM AND PACKET BUSES AND METHODS FOR PERFORMING TELEPHONY AND DATA FUNCTIONS USING THE SAME

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SURPRENANT, RICHARD	SAN JOSE	CA	US	
PICKETT, SCOTT K.	LOS GATOS	CA	US	

US-CL-CURRENT: 370/442; 370/352

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 26. Document ID: US 20010050720 A1

L22: Entry 26 of 32 File: PGPB Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010050720
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010050720 A1

TITLE: IMAGE SENSING APPARATUS INCLUDING A CARD DEVICE CONNECTABLE TO AN INFORMATION PROCESSING DEVICE

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
KARUBE, YUKUO	YOKOHAMA-SHI		JP	
EGUCHI, MASAHARU	YOKOHAMA-SHI		JP	
MATSUMOTO, KENTARO	TOKYO		JP	
SHIGEMURA, YOSHIHIRO	YOKOHAMA-SHI		JP	
KOTOKU, KENICHI	FUJISAWA-SHI		JP	

US-CL-CURRENT: 348/373; 348/231.99, 348/552

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 27. Document ID: US 20010050711 A1

L22: Entry 27 of 32 File: PGPB Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010050711
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010050711 A1

TITLE: IMAGE INPUT UNIT

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
KARUBE, YUKUO	YOKOHAMA-SHI		JP	
EGUCHI, MASAHARU	YOKOHAMA-SHI		JP	
MATSUMOTO, KENTARO	TOKYO		JP	
SHIGEMURA, YOSHIHIRO	YOKOHAMA-SHI		JP	
KOTOKU, KENICHI	FUJISAWA-SHI		JP	

US-CL-CURRENT: 348/220.1; 348/552

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 28. Document ID: US 20010043847 A1

L22: Entry 28 of 32 File: PGPB Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010043847
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010043847 A1

TITLE: FORCE FEEDBACK AND TEXTURE SIMULATING INTERFACE DEVICE

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
KRAMER, JAMES F.	STANFORD	CA	US	

US-CL-CURRENT: 414/5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 29. Document ID: US 20010041956 A1

L22: Entry 29 of 32 File: PGPB Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041956
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010041956 A1

TITLE: AUTOMOBILE INFORMATION SYSTEM

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
WONG, WILLIAM S.	REDMOND	WA	US	
LEE, LAWRENCE W.	BELLEVUE	WA	US	

US-CL-CURRENT: 701/36; 701/33, 718/107

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 30. Document ID: US 20010040621 A1

L22: Entry 30 of 32 File: PGPB Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010040621
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010040621 A1

TITLE: VIDEOPHONE ADVERTISEMENT WHEN CALLING VIDEO NON-ENABLED VIDEOPHONE USERS

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

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US-CL-CURRENT: 348/14.01; 348/14.03, 379/93.12, 379/93.19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
((telephon$ or phon$ or cell$) with platform$) and @ad<=20000526 and (music$ or song$ or album$)	32

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Search Results - Record(s) 31 through 32 of 32 returned.

☐ 31. Document ID: US 20010032334 A1

L22: Entry 31 of 32 File: PGPB Oct 18, 2001

PGPUB-DOCUMENT-NUMBER: 20010032334
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010032334 A1

TITLE: INGRESS PROTECTION IN A COMMUNICATION SYSTEM WITH ORTHOGONAL CARRIERS

PUBLICATION-DATE: October 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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US-CL-CURRENT: 725/105

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 32. Document ID: US 20010003099 A1

L22: Entry 32 of 32 File: PGPB Jun 7, 2001

PGPUB-DOCUMENT-NUMBER: 20010003099
PGPUB-FILING-TYPE: new-utility
DOCUMENT-IDENTIFIER: US 20010003099 A1

TITLE: EVALUATION OF RESPONSES OF PARTICIPATORY BROADCAST AUDIENCE WITH PREDICTION OF WINNING CONTESTANTS; MONITORING, CHECKING AND CONTROLLING OF WAGERING, AND AUTOMATIC CREDITING AND COUPONING

PUBLICATION-DATE: June 7, 2001

INVENTOR-INFORMATION:

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US-CL-CURRENT: 463/40; 463/16

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
((telephon$ or phon$ or cell$) with platform$) and @ad<=20000526 and (music$ or song$ or album$)	32

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A

L22: Entry 21 of 32 File: PGPB Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020001301
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020001301 A1

TITLE: SYSTEMS AND METHODS FOR MULTIPLE MODE VOICE AND DATA COMMUNICATIONS USING INTELLIGENTLY BRIDGED TDM AND PACKET BUSES AND METHODS FOR PERFORMING TELEPHONY AND DATA FUNCTIONS USING THE SAME

PUBLICATION-DATE: January 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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APPL-NO: 09/ 419390 [PALM]
DATE FILED: January 3, 2000

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

RELATED-US-APPL-DATA:
Application 09/419390 is a continuation-of US application 09/167408, filed October 6, 1998, UNKNOWN

INT-CL: [07] H04 L 12/66

US-CL-PUBLISHED: 370/352
US-CL-CURRENT: 370/352

REPRESENTATIVE-FIGURES: 2

ABSTRACT:

Systems and methods by which voice/data communications may occur in multiple modes/protocols are disclosed. In particular, systems and methods are provided for multiple native mode/protocol voice and data transmissions and receptions with a computing system having a multi-bus structure, including, for example, a TDM bus and a packet bus, and multi-protocol framing engines. Such systems preferably include subsystem functions such as PBX, voice mail and other telephony functions, LAN hub and data router. In preferred embodiments, a TDM bus and a packet bus are intelligently bridged and managed, thereby enabling such multiple mode/protocol voice and data transmissions to be intelligently managed and controlled with a single, integrated system. A computer or other processor includes a local area network controller, which provides routing and hub(s) for one or more packet networks. The computer also is coupled to a buffer/framer, which serves to frame/deframe data to/from the computer from TDM bus. The buffer/framer includes a

plurality of framer/deframer engines, supporting, for example, ATM and HDLC framing/deframing. The buffer/framer is coupled to the TDM bus by way of a switch/multiplexer, which includes the capability to intelligently map data traffic between the buffer/framer and the TDM bus to various slots of the TDM frames. Preferably, a DSP pool is coupled to buffer/framer in a manner to provide various signal processing and telecommunications support, such as dial tone generation, DTMF detection and the like. The TDM bus is coupled to a various line/station cards, serving to interface the TDM bus with telephone, facsimiles and other telecommunication devices, and also with a various digital and/or analog WAN network services.

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L22: Entry 21 of 32 File: PGPB Jan 3, 2002

DOCUMENT-IDENTIFIER: US 20020001301 A1
TITLE: SYSTEMS AND METHODS FOR MULTIPLE MODE VOICE AND DATA COMMUNICATIONS USING INTELLIGENTLY BRIDGED TDM AND PACKET BUSES AND METHODS FOR PERFORMING TELEPHONY AND DATA FUNCTIONS USING THE SAME

Application Filing Date:
20000103

Summary of Invention Paragraph:
[0007] The present invention is intended to address various disadvantages of such conventional communication systems. The present invention provides various systems and methods, perhaps more succinctly a platform, by which voice and data communications may occur in multiple modes and various protocols, and more particularly systems and methods for multiple native mode voice and data transmissions and receptions with a communications/computing system having a multi-bus structure, including, for example, a TDM bus, a packet bus and a control bus, and multi-protocol framing engines, preferably including subsystem functions such as PBX, voice mail and other telephony functions, email and/or file server, Internet server, LAN hub and data router. With the present invention, a platform and various processes are provided in which a TDM bus and a packet bus are intelligently bridged and managed, thereby enabling such multiple mode/protocol voice and data transmissions to be intelligently managed and controlled with a single, integrated system.

Detail Description Paragraph:
[0133] As described elsewhere herein, communications system 50 may serve to provide email services to particular users with telephone extensions associated with communications system 50, etc. In addition, communication system 50 also provides a platform (such as with processor/system resources 70) on which various management, administration or other types of applications may be run (exemplary such applications are described elsewhere herein). In one embodiment, various WAN and other information is provided using an what is known as a SNMP-type protocol (as is known in the art, SNMP stands for Signaling Network Management Protocol, which is a protocol/method by which network management applications can query or request information from a management agent (such as are implemented in the present invention with processor/system resources 70 and appropriate software, etc.). A novel aspect of such embodiments of the present invention is that the voice mail system of communications system 50 also is implemented in a manner to provide voice mail related information in an SNMP-type form. Thus, in accordance with such embodiments of the present invention, communications system 50 stores a variety of information relating to voice mail, such as information relating to the status of the voice mail system, failure or alarm-type information, usage statistics, etc. In such embodiments, any tool or application that is SNMP compliant can access and view such voice-mail related information. Exemplary voice-mail-related information that may be made available via SNMP to an SNMP compliant tool or application is set forth in Table 1. With such embodiments, network (WAN and LAN, etc.) and PBX information along with voice mail-related information may be desirably provided using SNMP to a variety of SNMP tools and applications.

Detail Description Paragraph:

[0146] Communications system 50 increases the efficiency of office communications and provides businesses a competitive edge by integrating the following voice, data, and communications functions into one remotely manageable platform: PBX; Voice mail; Automated attendant; Computer-telephony applications server; Channel bank; Router; CSU/DSU; LAN hub; Remote access server; and Modems.

Detail Description Paragraph:
[0170] The System features and management flexibility are the following: Class of Service profiles, Uniform dialing plan, Time-of-day dialing policy, Digit insertion, Automated route selection (ARS), least-cost routing, Trunk groups, Hunt groups for intelligent call distribution, including linear, circular, and ring all, Direct inward dial (DID), Message notification: lamp and stutter dial tone, Individual user profiles, Call detail recording , Phone set relocation, Music on hold.

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L22: Entry 11 of 32 File: PGPB Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102937
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102937 A1

TITLE: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

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APPL-NO: 09/ 396843 [PALM]
DATE FILED: September 15, 1999

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

RELATED-US-APPL-DATA:
Application 09/396843 is a division-of US application 08/673002, filed June 28, 1996, PATENTED

INT-CL: [07] H04 H 1/00

US-CL-PUBLISHED: 455/3.01

US-CL-CURRENT: 455/3.01

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

The communication system includes a hybrid fiber/coax distribution network. A head end provides for downstream transmission of telephony and control data in a first frequency bandwidth over the hybrid fiber/coax distribution network and reception of upstream telephony and control data in a second frequency bandwidth over the hybrid fiber/coax distribution network. The head end includes a head end multicarrier modem for modulating at least downstream telephony information on a plurality of orthogonal carriers in the first frequency bandwidth and demodulating at least upstream telephony information modulated on a plurality of orthogonal carriers in the second frequency bandwidth The head end further includes a controller operatively connected to the head end multicarrier modem for controlling transmission of the downstream telephony information and downstream control data and for controlling receipt of the upstream control data and upstream telephony information. The system further includes service units, each service unit operatively connected to the hybrid fiber/coax distribution network for upstream transmission of telephony and control data in the second frequency bandwidth and for receipt of the downstream control data and telephony in the first frequency bandwidth. Each service unit includes a service unit multicarrier modem for modulating at least the upstream telephony information on at least one carrier orthogonal at the head end terminal to another carrier in the second frequency bandwidth and for demodulating at least downstream telephony information modulated on at least a band of a plurality of orthogonal carriers in the first frequency bandwidth. Each service unit also includes a controller operatively connected to the service unit multicarrier modem for controlling the modulation of and demodulation performed by the service unit multicarrier modem. A method of monitoring communication channels, a distributed loop method for adjusting transmission characteristics to allow for transmission of data in a multi-point to point communication system, a polyphase filter technique for providing ingress protection and a scanning method for identifying frequency bands to be used for transmission by service units are also included. Also provided is a method and apparatus for performing a Fast Fourier Transform (FFT). In one embodiment, a scalable FFT system is built using a novel dual-radix butterfly core.

CROSS REFERENCE TO RELATED CASES

[0001] This application in a continuation-in-part of U.S. application Ser. Nos. _____/_____ (Atty Docket #500.615US1), 08/311,964, 08/457,295, and 08/457,317, which applications are incorporated by reference. This application is related to U.S. application Ser. Nos. 08/384,659, 08/455,340, 08/455,059, 08/457,294, 08/457,110, 08/456,871, 08/457,022, and 08/457,037, which applications are incorporated by reference.

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L22: Entry 11 of 32 File: PGPB Aug 1, 2002

DOCUMENT-IDENTIFIER: US 20020102937 A1
TITLE: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

Application Filing Date:
19990915

Detail Description Paragraph:
[0166] The communication system 10, as shown in FIG. 1, of the present invention is an access platform primarily designed to deliver residential and business telecommunication services over a hybrid fiber-coaxial (HFC) distribution network 11. The system 10 is a cost-effective platform for delivery of telephony and video services. Telephony services may include standard telephony, computer data and/or telemetry. In addition, the present system is a flexible platform for accommodating existing and emerging services for residential subscribers.

Detail Description Paragraph:
[0513] Among other things, system 500 provides: (1) user data access to the Internet 530 and local content on a head-end server 520 through the above-described access platform, (2) support for TCP/IP and transparent bridging at the data link layer using a Dynamically Adaptive Transport Switching (DATS) methodology (described below); (3) guaranteed, reliable symmetrical data service at transfer rates from 64 Kbps to 512 Kbps, in increments of 64 Kbps, for geographically dispersed individuals; (4) guaranteed, reliable, symmetric shared access to a 8.192 Mbps data pipe for geographically limited group of users connected in a routed configuration; (5) mixing of data and telephony within a single HDT 12; (6) network management for telephony, video, and data through integrated CMISE and SNMP; (7) routed service through a head-end server, and (8) use of HISU and MISU RF modem technology for transport.

Detail Description Paragraph:
[0545] The final peripheral that does not reside in a QUICC32 is the Contents Addressable Memory (CAM) 589. The CAM performs memory accesses based upon data rather than address and is used to quickly determine whether an Ethernet frame should be accepted. The Ethernet controller 587a interfaces to the CAM 589 through glue logic and the reject input. When a frame is received that is not in the CAM, the CAM logic asserts the reject control line and the received portion of the frame is discarded. The buffer depth of the Ethernet controller is set so that no memory accesses are generated on rejected frames. The CAM is available off the shelf from MUSIC semiconductor.

Detail Description Paragraph:
[0559] In the TR-008/V2 system, calls are provisioned and nailed up at time of installation. Under this scenario an operator at the head-end 32 is responsible for determining the MARIO configuration and transfer rates (64 K to 512 K). The DATS methodology of present invention utilizes TR-303/V5 call processing to provide dynamic allocation of bandwidth. To maintain the telephony oriented architecture of the access platform of the present invention, the LANU 580 takes on responsibility of a limited subset of the Central Office (CO) functions. This approach has the distinct advantage that the data sessions are fully integrated with telephony.

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L22: Entry 17 of 32 File: PGPB Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044199
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020044199 A1

TITLE: INTEGRATED REMOTE CONTROL AND PHONE

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

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APPL-NO: 09/ 001423 [PALM]
DATE FILED: December 31, 1997

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

INT-CL: [07] H04 N 7/14, H04 M 11/00

US-CL-PUBLISHED: 348/14.01; 379/93.17, 379/93.31, 379/110.01
US-CL-CURRENT: 348/14.01; 379/110.01, 379/93.17, 379/93.31

REPRESENTATIVE-FIGURES: 5

ABSTRACT:

A remote control handset for cordless communication with a video controller enables enhanced video control and telephonic communication through the handset in an integrated communication network. A handset controller is adapted to selectively activate, deactivate or adjust the energy applied to the handset speaker and to operate a handset transmitter to send control and/or voice signals to the video controller such that a caller's audio signal may be overlayed on the video signal provided to an audio appliance and broadcast on the audio appliance speaker.

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L22: Entry 17 of 32 File: PGPB Apr 18, 2002

DOCUMENT-IDENTIFIER: US 20020044199 A1
TITLE: INTEGRATED REMOTE CONTROL AND PHONE

Application Filing Date:
19971231

Summary of Invention Paragraph:
[0010] The new architecture may utilize a video phone and/or other devices to provide new services to an end user; an intelligent services director (ISD) disposed near the customer's premises for multiplexing and coordinating many digital services onto a single twisted-pair line; a facilities management platform (FMP) disposed in the local telephone network's central office for routing data to an appropriate interexchange company network; and a network server platform (NSP) coupled to the FMP for providing new and innovative services to the customer and for distinguishing services provided by the interexchange companies from those services provided by the local telephone network.

Detail Description Paragraph:
[0031] As shown in FIG. 2, in some embodiments the ISD 22 may include a controller 100 which may have any of a variety of elements such as a central processing unit 102, a DRAM 103, an SRAM 104, a ROM 105 and/or an internet protocol (IP) bridge router 106 connecting the controller 100 to a system bus 111. The system bus 111 may be connected with a variety of network interface devices 110. The network interface devices 110 may be variously configured to include an integrated services digital network (ISDN) interface 113, an Ethernet interface 119 (e.g., for 28.8 kbs data, 56 kbs data, or ISDN), an IEEE 1394 "fire wire" interface 112 (e.g., for a digital videodisc device (DVD)), a TVRC modem interface 114 (e.g., for a digital subscriber line (DSL) modem), a residential interface 114, (e.g., standard POTS phone systems such as tip ring), a business interface 116 (e.g., a T1 line and/or PABX interface), a radio frequency (RF) audio/video interface 120 (e.g., a cable television connection), and a cordless phone interface 123 (e.g., a 900 MHZ transceiver). Connected to one of the network interfaces and/or the system bus 111 may be any number of devices such as an audio interface 122 (e.g., for digital audio, digital telephones, digital audio tape (DAT) recorders/players, music for restaurants, MIDI interface, DVD, etc.), a digital phone 121, a videophone/user interface 130, a television set-top device 131 and/or other devices. Where the network interface is utilized, it may be desirable to use, for example, the IEEE 1394 interface 112 and/or the Ethernet interface 119. A lifeline 126 may be provided for continuous telephone service in the event of a power failure at the CPE 10. The lifeline 126 may be utilized to connect the ISD 22 to the local telecommunications company's central office 34 and, in particular, to the FMP 32 located in the central office 34.

Detail Description Paragraph:
[0034] In still further embodiments, the ISD 22 may be compatible with multicast broadcast services where multicast information is broadcast by a central location and/or other server on one of the networks connected to the FMP 32, e.g., an ATM-switched network. The ISD 22 may download the multicast information via the FMP 32 to any of the devices connected to the ISD 22. The ISD 22 and/or CPE 10 devices may selectively filter the information in accordance with a specific customer user's

preferences. For example, one user may select all country music broadcasts on a particular day while another user may select financial information. The ISD 22 and/or any of the CPE 10 devices may also be programmed to store information representing users'preferences and/or the received uni-cast or multicast information in memory or other storage media for later replay. Thus, for example, video clips or movies may be multicast to all customers in the community with certain users being preconfigured to select the desired video clip/ movie in real time for immediate viewing and/or into storage for later viewing.

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L22: Entry 18 of 32 File: PGPB Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020033416
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020033416 A1

TITLE: NETWORK SERVER PLATFORM FOR PROVIDING INTEGRATED BILLING FOR CATV, INTERNET, TELEPHONY AND ENHANCED BANDWIDTH SERVICES

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

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WALKER, HOPETON S.	HALEDON	NJ	US	

APPL-NO: 09/ 224282 [PALM]
DATE FILED: December 31, 1998

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

RELATED-US-APPL-DATA:
Application 09/224282 is a continuation-in-part-of US application 09/001359, filed December 31, 1997, PENDING

INT-CL: [07] G06 K 5/00

US-CL-PUBLISHED: 235/380
US-CL-CURRENT: 235/380

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

A twisted pair and/or coaxial cable fed, integrated residence gateway controlled set-top device provides a plurality of services. One service is lifeline service which may be provided over the coaxial cable via a cable modem of the integrated residence gateway or over the twisted pair facility. An integrated residence gateway is coupled to either or both of the coaxial cable or twisted pair and distributes the bandwidth facilities available over either service vehicle to customer devices including a set top box. A network service platform is coupled to a cable facilities management platform for storing a subscriber profile, polling the integrated residence gateway for utility, cable television, telecommunications and other service usage and preference data provided in a billing period and generating an electronic bill for the subscriber over the twisted pair/coaxial cable facility for viewing on a visionphone. Premiums, awards and discounts may be

provided via the network service platform upon verification of electronic payment of the electronic bill.

[0001] This application is a continuation-in-part of U.S. application Ser. No. 09/001,359 filed Dec. 31, 1997.

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L22: Entry 18 of 32 File: PGPB Mar 21, 2002

DOCUMENT-IDENTIFIER: US 20020033416 A1
TITLE: NETWORK SERVER PLATFORM FOR PROVIDING INTEGRATED BILLING FOR CATV, INTERNET, TELEPHONY AND ENHANCED BANDWIDTH SERVICES

Application Filing Date:
19981231

Summary of Invention Paragraph:
[0002] The invention relates generally to enhanced telephone communication systems and, more particularly, to a network server platform for providing integrated billing for CATV, Internet, telephony and enhanced services.

Summary of Invention Paragraph:
[0011] A new architecture for providing such services may utilize a video phone and/or other devices to provide new services to an end user; a residence gateway which may be an integrated residence gateway (IRG) disposed near the customer's premises for multiplexing and coordinating many digital services onto a single twisted-pair line or coaxial cable (or both); a cable facilities management platform (C-FMP) disposed remote from or in the local telephone network's central office, the subscriber loop or the coaxial cable distribution plant for routing data to an appropriate interexchange company network; and a network server platform (NSP) coupled to the C-FMP for providing new and innovative services to the customer and for distinguishing services provided by the interexchange companies from those services provided by the local telephone network.

Detail Description Paragraph:
[0038] As will be discussed in connection with FIGS. 1B-1E, an alternative or integrated way of reaching subscriber 10 to hybrid fiber/twisted pair facilities is via hybrid fiber/coaxial cable facilities of a cable television service provider. Such an arrangement may bypass the local subscriber loop and the local telephone switching central office or wire center 34 altogether. There are several varieties of hybrid fiber coaxial cable distribution facilities. In one embodiment, fiber is provided to curb; that is, fiber reaches the subscriber tap 60 where from the tap 60, coaxial cable is "dropped" or provided via an underground pedestal to the customer premises. In another embodiment, fiber reaches an active amplifier chain for providing downstream services to several thousand subscribers. In yet another embodiment, fiber reaches a plurality of microcells of customer premises which can be served by passive (rather than active) devices. Referring briefly to FIG. 1-C and 1-D, a cable facilities management platform (C-FMP) 32-1, 32-2, 32-3, in such an alternative, may be located at the telephone central office, a cable television headend (as per FIG. 1-B) or in the cable television signal distribution plant, for example, at a fiber/coax node or hub.

Detail Description Paragraph:
[0040] Similarly, referring to FIG. IC, remote FMP 32-2, C-FMP 32-1 and a network server platform 36 are connected to SONET, for example, an OC48 ring 42 with ports 40 for connection to telephony out-of-band signaling SS7 network 44, ATM cloud 76 or Internet network 78, frame relay networks, interworked networks or other networks (not shown).

Detail Description Paragraph:
[0050] As shown in FIG. 2, in some embodiments the IRG 22 may include a controller 100 which may have any of a variety of elements such as a central processing unit 102, a DRAM 103, an SRAM 104, a ROM 105 and/or an Internet protocol (IP) bridge router 106 connecting the controller 100 to a system bus 111. The system bus 111 may be connected with a variety of network interface devices 110. The network interface devices 110 may be variously configured to include an integrated services digital network (ISDN) interface 113, an Ethernet interface 119 (e.g., for 10 Base T, 100 Base T, etc.), an IEEE 1394 "fire wire" interface 112 (e.g., for a digital videodisc device (DVD)), a xDSL/cable modem interface 114 (e.g., for a digital subscriber line (DSL) and/or cable modem), a residential interface 115, (e.g., standard POTS phone systems such as tip ring), a business interface 116 (e.g., a T1 line or slower data speed and/or PABX interface), a radio frequency (RF) audio/video interface 120 (e.g., a coaxial cable television connection to a set-top box/television or to a personal computer), and a cordless phone interface 123 (e.g., a 900 MHZ or other unlicensed frequency transceiver). Connected to one of the network interfaces and/or the system bus 111 may be any number of devices such as an audio interface 122 (e.g., for digital audio, digital telephones, digital audio tape (DAT) recorders/players, music for restaurants, MIDI interface, DVD, etc.), a digital phone 121, a videophone/user interface 130, a television set-top device 131 and/or other devices. Where the network interface is utilized, it may be desirable to use, for example, the IEEE 1394 interface 112 and/or the Ethernet interface 119.

Detail Description Paragraph:
[0056] In still further embodiments, the ISD/IRG 22 may be compatible with multicast broadcast services where multicast information is broadcast by a central location and/or other server on one of the networks connected to the FMP/C-FMP 32, e.g., an ATM-switched network. The ISD/IRG 22 may download the multicast information via the FMP/C-FMP 32 to any of the devices connected to the ISD/IRG 22. The ISD/IRG 22 and/or CPE 10 devices may selectively filter the information in accordance with a specific customer user's preferences. For example, one user may select all country music broadcasts on a particular day while another user may select financial information. The ISD/IRG 22 and/or any of the CPE 10 devices may also be programmed to store information representing users' preferences and/or the received uni-cast or multicast information in memory or other storage media for later replay. Thus, for example, video clips or movies may be multicast to all customers in the community with certain users being preconfigured to select the desired video clip/ movie in real time for immediate viewing and/or into storage for later viewing.

Detail Description Paragraph:
[0069] For high end residential consumers who want more convenience and simplicity in their daily lives and convenient access to more information devices coupled to the ISD/IRG provide, for example: easier delivery of a wider range of telephony services (e.g., customer care, marketing, operator services) with cost savings due to automation; new service opportunities such as interactive electronic catalog shopping from the home, and advertising; ability to offer ultra fast Internet access to every household, penetrating even those without a PC unlike traditional voice/touch tone telephony access; high fidelity voice and music; touch screen and/or voice activated customer interface; asymmetric high speed transport of data to the home with the asymmetric character of the link and apportionment of that bandwidth variable depending on the amount of traffic; new service opportunities such as third party bill payment including paper-less bill payment, banking, obtaining smart card cash in an ATM transactions, electronic shopping from the home, electronic coupons, advertising, electronic review and payment of bills, calling plans, class of services, as well as other services and plans; Interactive video teleconferencing; state-of-the-art networking for Work-at-Home; private line services; Call Connection including the self scheduling of conference calls without the need for an operator as well as initiation of interactive calls with white

board augmentation using an appropriate applet downloaded from the NSP; class services invoked, for example, via icons and prompts in a natural manner without requiring memorization of numerical codes; navigation & access for voice, e-mail, and fax messages; obtain operator services without an operator, credit for wrong number, rate table, etc.; define profile for pointcast services; purchase products advertised on TV via synchronized ordering screen with television or PPV shows; Multimedia Enhanced Voice Calls, interactive voice & data response applications & info-on-demand; Support for work-at-home via virtual WAN; Screen pops for message/call alerting; graphical call management using touch and/or a mouse interface, including, for example call setup/bridging capabilities and point-and-click/tap-and-drag conferencing graphical use interfaces to initiate POTS calls, personal registry, mobility manager, call scheduling, call me back standard messages, personal assistant; Universal Multimedia Mailbox including a common interface for fax, voice, text, audio, and/or audio/visual images; 7 kHz high fidelity voice; asymmetric high speed transport with dynamic bandwidth allocation; residential LAN interface and associated local area network within the home; interactive video teleconferencing, display of web pages for customers placed on-hold, and other applications as discussed herein.

Detail Description Paragraph:
[0127] Now billing will be described in connection with the flowchart of FIG. 17. Billing for the subscriber services 1604 of the subscriber profile 1600 may be integrated according to a predetermined algorithm. For example, if subscriber A subscribes to cable television services and telephone services, then that subscriber may be entitled to free security services, provided the service provider installs or otherwise couples their security system to the network server platform. Moreover, the subscriber may signal the network service provider of a desire for a new service by indicating a preference. For billing, certain premiums and discounts may be allocated on an integrated bill according to the entire subscriber profile 1600. For example, the service provider for cable television services, Internet services and telephone services may be the same, and when the buyer purchases a given volume of such services, a discount may be provided on a service provider basis. If the subscriber uses a premium provider charge card for making payment, group dollar figures may be generated by the NSP 36 for transmission to the premium provider charge card entity. For example, American Express dollars for miles program computers may be notified of an American Express card payment.

Detail Description Paragraph:
[0195] 9. U.S. application Ser. No. (Atty docket no. Gerszberg 90-49-6-37, 3493.73137) entitled "A Network Server Platform for Providing Integrated Billing for CATV, Internet, Telephony and Enhanced Communications Services" of Gerszberg et al.

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L2: Entry 1 of 1 File: USPT Mar 3, 1998

US-PAT-NO: 5722418
DOCUMENT-IDENTIFIER: US 5722418 A

TITLE: Method for mediating social and behavioral processes in medicine and business through an interactive telecommunications guidance system

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bro; L. William	Los Angeles	CA	90045	

APPL-NO: 08/ 315630 [PALM]
DATE FILED: September 30, 1994

PARENT-CASE:
CROSS-REFERENCED RELATED APPLICATION This application is a continuation of application Ser. No. 08/112,955 filed Aug. 30, 1993 (now U.S. Pat. No. 5,377,258 issued Dec. 27, 1994.

INT-CL: [06] A61 B 5/021, A61 B 5/04

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PRIOR-ART-DISCLOSED:

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Search Selected Search ALL Clear

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ART-UNIT: 331

PRIMARY-EXAMINER: Nasser; Robert

ASSISTANT-EXAMINER: Huang; Stephen

ATTY-AGENT-FIRM: Cislo & Thomas

ABSTRACT:

A method for mediating social and behavioral influence processes through an interactive telecommunications guidance system for use in medicine and business (10) that utilizes an expert (200) such as a physician, counselor, manager, supervisor, trainer, or peer in association with a computer (16) that produces and sends a series of motivational messages and/or questions to a client, patient or employee (50) for changing or reinforcing a specific behavioral problem and goal management. The system (10) consists of a client database (12) and a client program (14) that includes for each client unique motivational messages and/or questions based on a model such as the transtheoretical model of change comprising the six stages of behavioral change (100) and the 14 processes of change (114), as interwining, interacting variables in the modification of health, mental health, and work site behaviors of the client or employee (50). The client program (14) in association with the expert (200) utilizes the associated 14 processes of change (114) to move the client (50) through one of the six stages of behavioral change (100) when appropriate by using a plurality of transmission and receiving means. The database and program are operated by a computer (16) that at preselected time periods sends the messages and/or questions to the client (50) through use of a variety of transmission means and furthermore selects a platform of behavioral issues that is to be addressed based on a given behavioral stage or goal (100) at a given time of day.

58 Claims, 4 Drawing figures

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L2: Entry 1 of 1 File: USPT Mar 3, 1998

DOCUMENT-IDENTIFIER: US 5722418 A
TITLE: Method for mediating social and behavioral processes in medicine and business through an interactive telecommunications guidance system

Abstract Text (1):
A method for mediating social and behavioral influence processes through an interactive telecommunications guidance system for use in medicine and business (10) that utilizes an expert (200) such as a physician, counselor, manager, supervisor, trainer, or peer in association with a computer (16) that produces and sends a series of motivational messages and/or questions to a client, patient or employee (50) for changing or reinforcing a specific behavioral problem and goal management. The system (10) consists of a client database (12) and a client program (14) that includes for each client unique motivational messages and/or questions based on a model such as the transtheoretical model of change comprising the six stages of behavioral change (100) and the 14 processes of change (114), as interwining, interacting variables in the modification of health, mental health, and work site behaviors of the client or employee (50). The client program (14) in association with the expert (200) utilizes the associated 14 processes of change (114) to move the client (50) through one of the six stages of behavioral change (100) when appropriate by using a plurality of transmission and receiving means. The database and program are operated by a computer (16) that at preselected time periods sends the messages and/or questions to the client (50) through use of a variety of transmission means and furthermore selects a platform of behavioral issues that is to be addressed based on a given behavioral stage or goal (100) at a given time of day.

Brief Summary Text (27):
With regard to the prior art, many types of systems have endeavored to provide an effective means for providing surveillance over the behavioral modification of a patient or client by using a telecommunication link. However, these prior art systems have not disclosed an adequate and cost-effective telecommunication network that uses a computer in combination with a telephone or other platforms to provide positive behavioral based motivational messages and/or questions that are answered by a patient or client by means of a dual tone multifrequency telephone set or other platforms.

Brief Summary Text (28):
Further, the prior art systems have not disclosed utilization with such hardware as voice stress analyzers, on line services, olfactory units, CD-ROM platforms, interactive television in connection with a telecommunication link as a further behavioral modification means in use with the client or employee.

Brief Summary Text (35):
The Hutchinson patent discloses a weighing and height measuring device. It is especially adapted for use with a remote digital read-out system. The device comprises a weight responsive moving platform connected by cable to a remote digital read-out unit. One of the objects of the invention is to provide a weight measuring device adapted for use with a remote read-out and/or computer input

device.

Detailed Description Text (33):
Another preferred embodiment is the use of a computer-based information metering system that uses optical discs 56 as transport and storage media, encrypting to protect data and is metered or by other payment means to permit usage by patients on a pay-per-view or pay per bit of information basis. The encryption-metering device would use digital technology and would be made available through cellular phones, wireless cable transmission, modem, interactive television and CD-ROM. Information would be distributed in encrypted form to users. After the user browses through the menu or index at no charge and selects the item needed, the encryption-metering device will decrypt the information required, record which data was used, by whom and for what issues or subjects, and will permit the user to be billed only for the data used. This information would be unreadable or unlistenable until decrypted and users would be charged based on the number of bits of information selected. A metering chip or computer board would be used to gauge data use just as an electric meter tracks power demand. Information may be retrieved in either full-text audio or image form. A decryption program keeps track of how much data is decoded and can subtract its costs from a prepaid credit stored on a chip as a form of payment. The encryption-metering technology may use a Microsoft Windows.RTM. based application or other commercially available software, with familiar graphical interfaces and menuing systems to which users are accustomed, and would be available on a variety of computer platforms.

Detailed Description Text (100):
And yet another embodiment is adding the association of multiple dimensions to provide multiple cues for behavioral guidance. It has been found that memory performance is excellent when instead of merely reading words or seeing objects, subjects are required to perform some activity as well. Adding an action dimension facilitates recall and prevents it from deteriorating from the effects of time or aging. Combining multiple cues in one behavioral interaction more richly encodes them in memory in terms of vision, semantics and action. Material such as counting rhymes and folk songs have stood the test of time because they combine the richness of semantic coding with the rhyming and rhythmic constraints of verse. Instead of merely reading text or listening to auditory prompts and cues, patients or clients 50 can be required to perform simultaneous activity as well. For example, they might be required to scribble with a pencil, push a lever or button, or engage in some other activity requiring manual or digital manipulation. The subject invention can uniquely be adapted to providing multiple cues in order that patients or clients 50 can engage in activities which more richly encode memory.

Detailed Description Text (165):
Yet another preferred embodiment would be the provision of a mechanism to provide the client 50 or patient with choice as to the mode of presentation of the behavioral reinforcement. The exercise of choice is an important cognitive principle in guiding human behavior. By providing the option of choice, self-control is fostered and self-esteem is enhanced. Inasmuch as the goal of any behavioral reinforcement scheme is the fostering of greater positive self-control by the patient, employee or client 50, the subject invention uniquely embodies the mechanism of choice. Patients, employees, or clients 50 are quizzed or polled as to their performance as previously described. In addition they are given choices as to the form of the specific intervention. For instance, as part of this embodiment a client, employee 50 or patient would be asked whether he preferred to receive reinforcement in a visual or auditory mode. By choosing a visual mode he could receive text or live or prerecorded video on either a television screen 44, computer or telephone screen or video phone 54. Alternatively, the visual text might be received on a similar hand-held or portable device 36. If the client 50, employee or patient were to choose a portable auditory or visual mode, the subject invention would allow him to receive auditory or visual behavioral reinforcement, prompts and cues through the use of a wired or wireless telephone or alphanumeric

beeper device 58 respectively. Upon the client 50 electing to access an auditory or visual mode the computer would activate the appropriate storage and/or platform for the transmission of behavioral reinforcement accordingly. Alternatively, if the client, employee 50 or patient could elect to choose a form of behavioral content which would be appropriate for his particular issue. Thus the vital behavioral reinforcer of the provision of choice is fostered uniquely by the subject invention in a new and novel manner within the patient's, employee's or client's 50 natural environment. By providing choice, the client, employee 50 or patient is able to select the most personally relevant content and mode of intervention at the moment in order to derive qualitative behavioral reinforcement, explanations, and to develop models for making new knowledge fit in a more relevant and meaningful structure into what has been previously assimilated.

Detailed Description Text (190):
An additional embodiment will be the use of high fidelity speech and music which will be possible through transmission media which include ISDN, ATM and other broad band transmission systems. High fidelity speech will make it easier for communication between the physician, manager or counselor 200 and the patient, employee or client 50 in as much as spoken words depend as much on the nuances of expression as on the logic of the words. Another advantage that ISDN and other advanced transmission systems will make possible is speech and data that are encrypted for privacy within the subject invention.

Detailed Description Text (191):
Today there exists telephones that are secure and that are made expressly for government applications. These telephones are quite expensive and their sound is so poor that it is sometimes hard to recognize the identity of the speaker inasmuch as they first digitize the speech and then encrypt the resulting digital stream. ISDN and other broad band transmission systems use data streams which possess many times higher data transmission rates making security relatively easy to provide in addition to high fidelity of sound. The addition of music in this embodiment allows the expert or counselor 200 to provide visual imagery with greater emotional impact. The greater emotional impact provided by the use of music in the provision of information, instruction, prompts and cues for behavioral reinforcement and guidance is a novel extension of the prior art within the subject invention.

Detailed Description Text (196):
While the invention has been described in complete detail and pictorially shown in the accompanying drawings it is not to be limited to such details, since many changes and modifications may be made in the invention without departing from the spirit and scope thereof. For example, a variety of emerging telecommunication technologies provide varied platforms to transmit behavioral motivation and reinforcement. Some of these devices include: enhanced telephones containing LCD display screens for the representation of data and graphs; personal communication networks which use low power digital radio; palm-top calculators which received satellite transmissions as part of a nationwide network; wireless radio networks which exchange data on a national basis; digital cellular phones which signal their whereabouts on a continuous basis in order that their owner may be located anywhere in the world through linkage to a satellite network; and personal digital assistants (PDA) which can receive data, organize it, monitor the patient's activities, give reminders and then communicate via an internal modem as to the patient's or employee's compliance with a central mainframe computer. Also, the application of the spiral or staged model of change may be applied to all of the behavioral modification programs heretofore discussed, in addition to other areas requiring continuing behavioral reinforcement.

Detailed Description Text (206):
Yet another configuration would be with respect to the behavioral model, including a portion or all of the transtheoretical or Stage Process Model and all of its preferred embodiments, as to its location within the hardware and software

architecture. In other words, the model could be located for administrative purposes in the server, the platform Server or both. Alternatively, a portion of the model 100 could be downloaded or located in the patient, client or employee personal computer 16, video-set top box, hand-held personal communicator or screen-phone. The model 100 would be flexible in its software architecture in order to allow tuning to adapt to new or specific issues or changes, or enhancements to the model 100 or the patient, client or employee's 50 behavior.

Detailed Description Text (228):
There has been described and illustrated herein an improved system and apparatus for interactively changing a behavioral pattern of a patient 50. The aforesaid system uniquely extends the prior art of modifying individual behavior to the place where behavior occurs in a customized, personal manner utilizing various computer driven telecommunications platforms. While particular embodiments of the system and apparatus have been described, it is not intended that the invention be limited exactly thereto, as it is intended that the invention be as broad in scope as the art will permit. The foregoing description and drawings will suggest other embodiments and variations within the scope of the claims to those skilled in the art, all of which are intended to be included in the spirit of the invention as herein set forth. ##SPC1##

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